

FIG.1

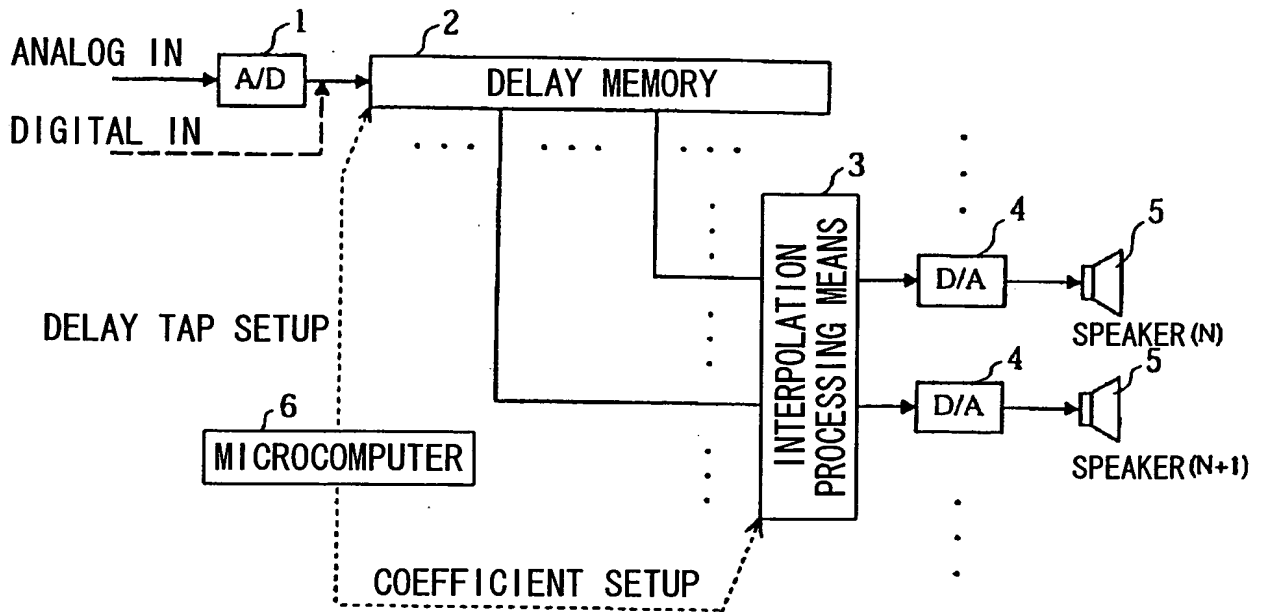


FIG.2

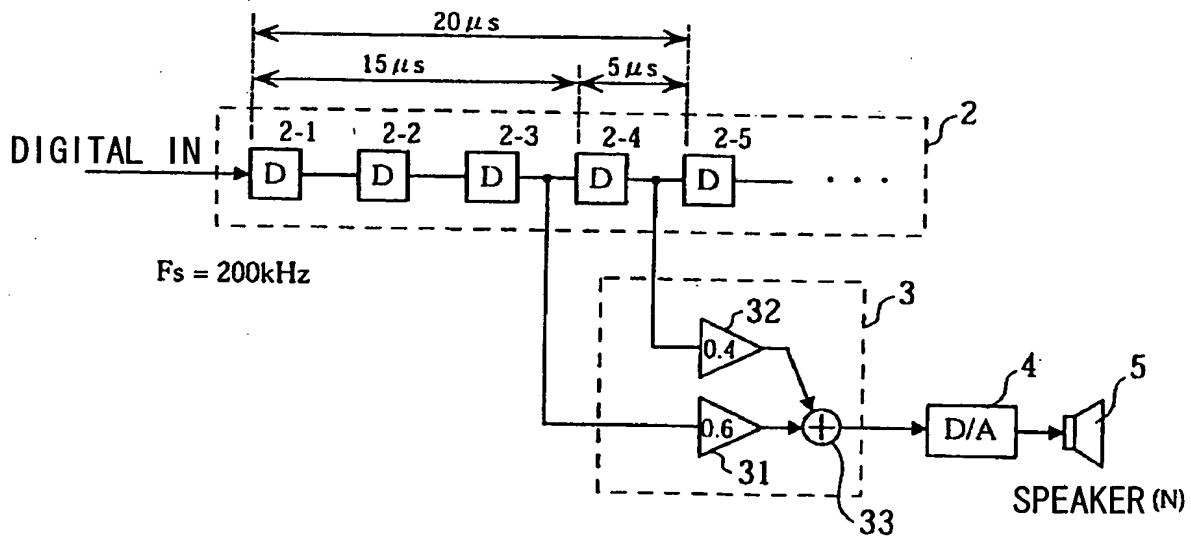


FIG.3

FREQUENCY CHARACTERISTICS OF LINEAR INTERPOLATION

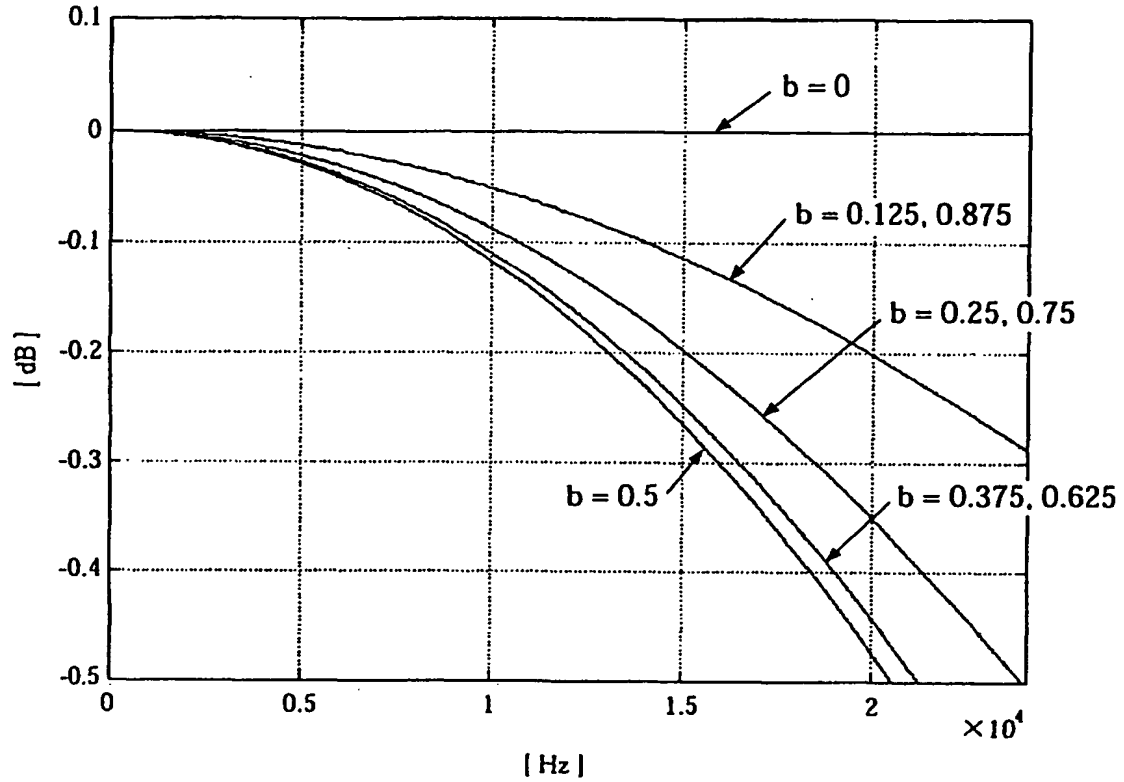


FIG.4

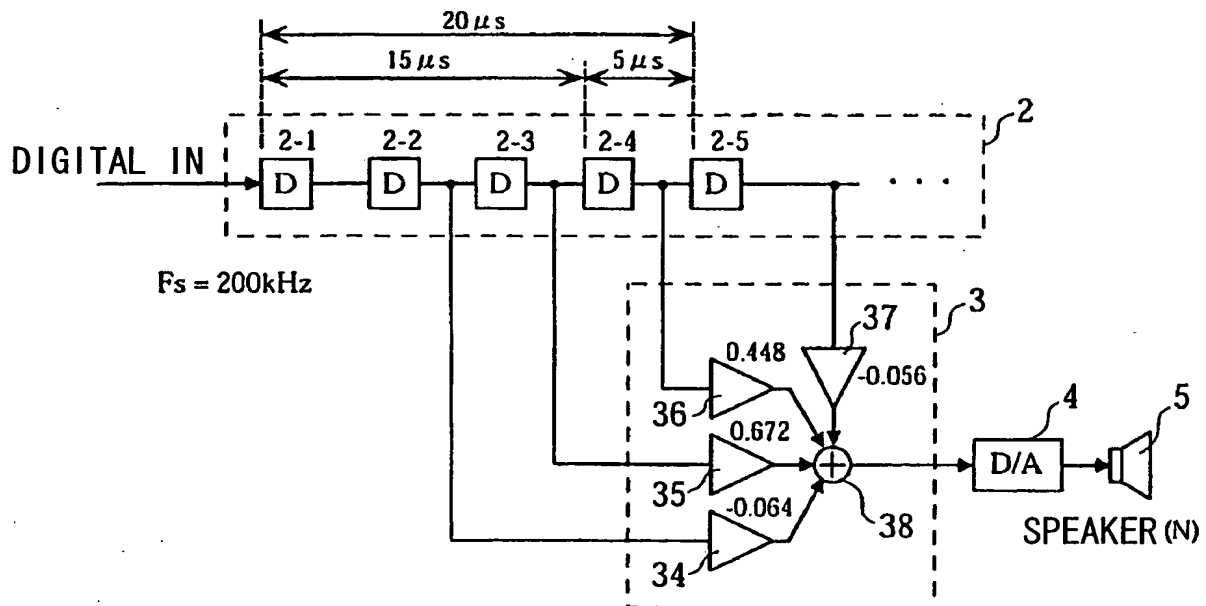


FIG.5

FREQUENCY CHARACTERISTICS OF LPF INTERPOLATION

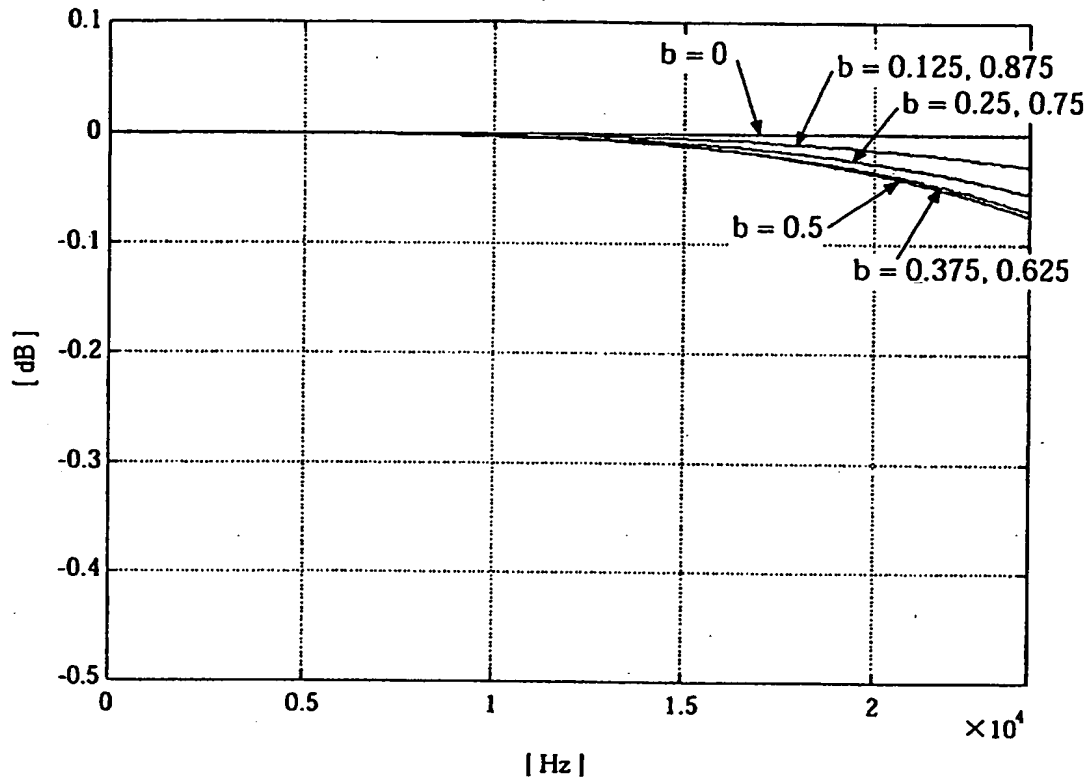


FIG.6A

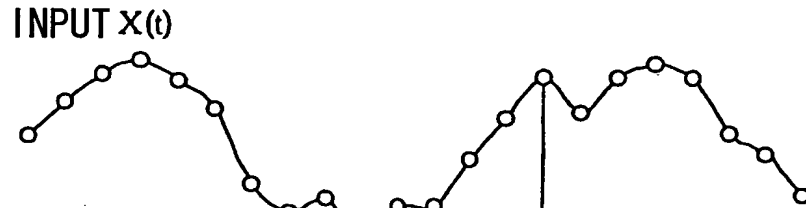


FIG.6B

$$Y(t) = X(t + 15 \mu s)$$

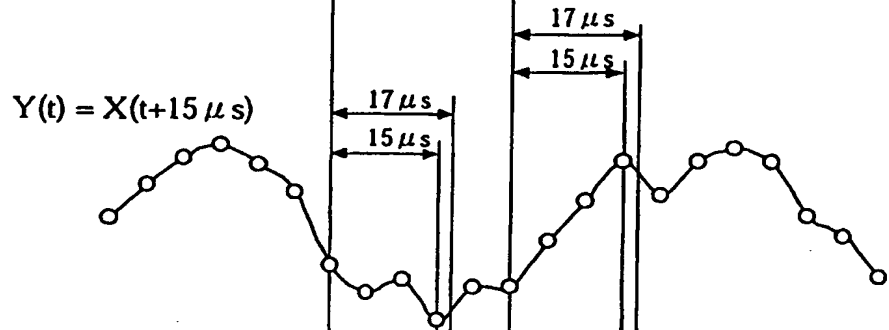


FIG.6C

$Y(t)$  : LINEAR  
INTERPOLATION

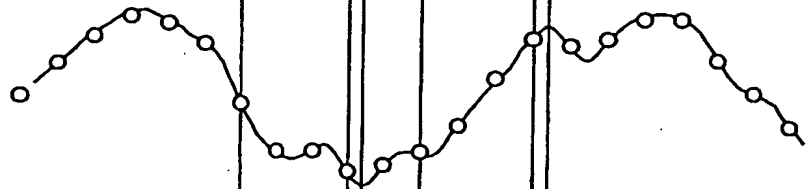


FIG.6D

$Y(t)$  : LPF INTERPOLATION

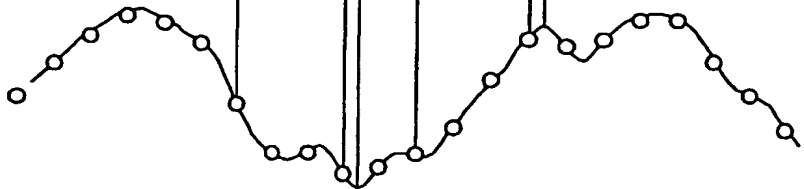


FIG.7

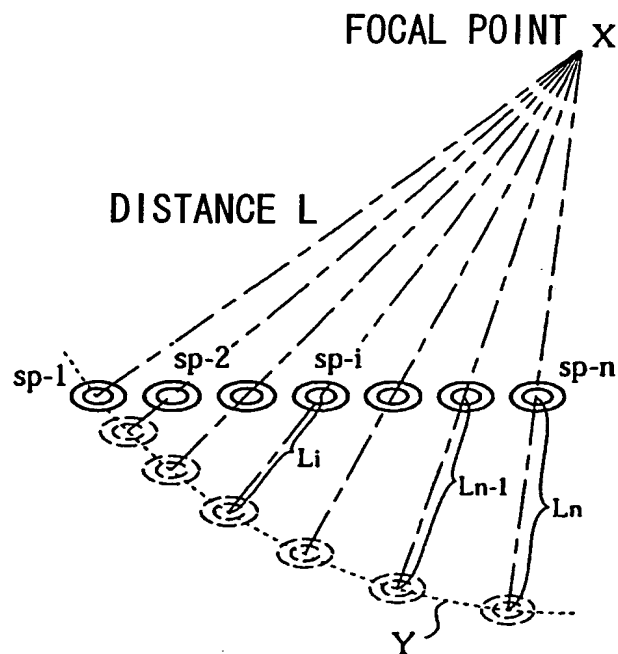


FIG.8

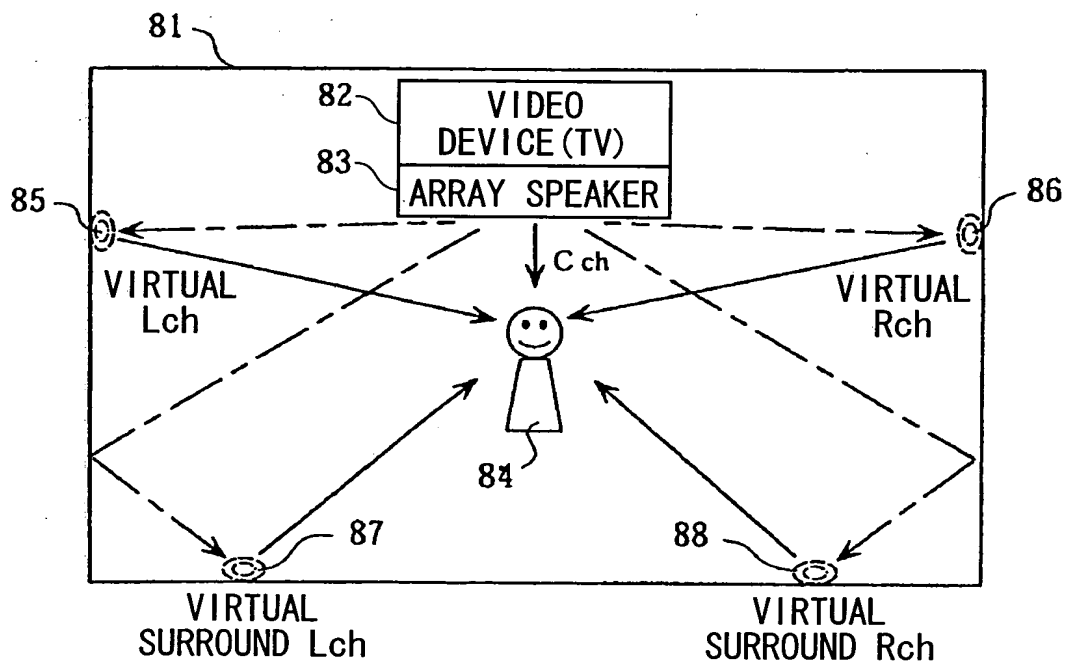
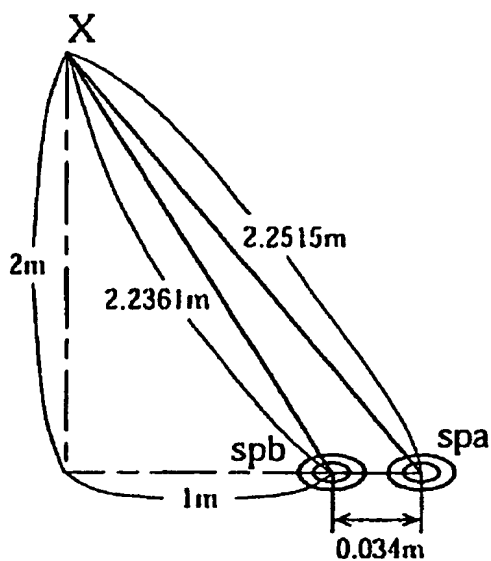
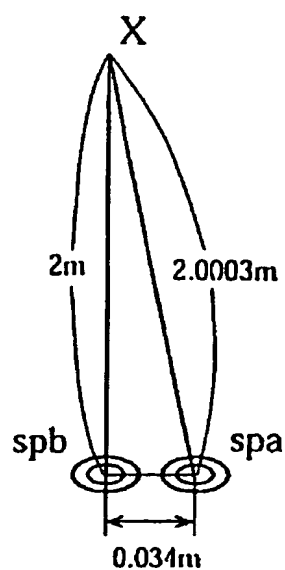


FIG.9A



DELAY DIFFERENCE=  
 $0.0154\text{m} \div 340\text{m/s} = 45 \mu\text{s}$

FIG.9B



DELAY DIFFERENCE=  
 $0.0003\text{m} \div 340\text{m/s} = 0.9 \mu$

FIG.10

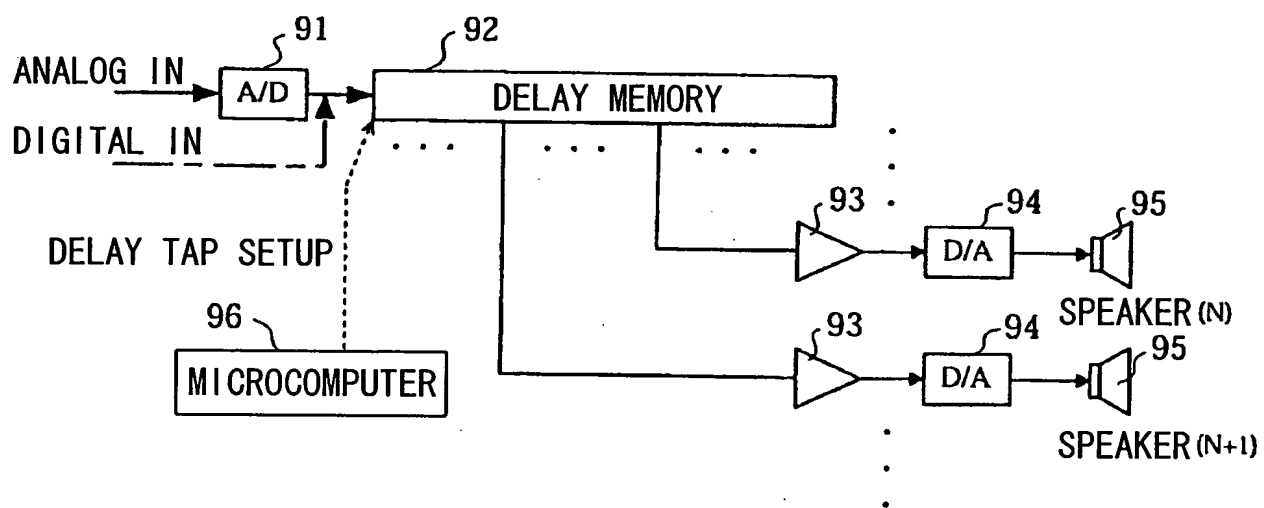


FIG.11

